

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yasuhisa FUKUI, Satoshi NAGATA, Ryuichi SHIRAI and Naoaki SAITO
Serial No.: Not Yet Assigned
Filed: Herewith [Express Mail Label No. EV343732774US]
For: MONOCLONAL ANTIBODY RECOGNIZING PHOSPHATIDYLINOSITOL-3,
4-DIPHOSPHATE

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. §§1.56 and 1.97, Applicants herewith submit the publications and/or patents shown on the attached form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed:

- X (1) within three (3) months of the Filing Date or before the mailing date of the First Office Action on the merits; or
- (2) within three months of the mailing date of the Written Opposition issued by the: _____ Patent Office (dated _____); or
- (3) after the period defined in (1) but before the mailing date of a Final Rejection or Notice of Allowance, and the requisite Certification or fee under Rule 1.17(p), namely \$180.00, is included herein; or
- (4) after the mailing date of a Final Rejection or Notice of Allowance but before the payment of the Issue Fee, and the requisite Certification, petition, and petition fee are included herein.

APPLICANT: Yasuhisa FUKUI et al.
Serial No.: Not Yet Assigned
[Express Mail Label No. EV343732774US]

Page 2

It is respectfully requested that each of the documents shown on the attached form(s) PTO-1449 be made of record in this application. Copies of these documents (CHECK ONE):

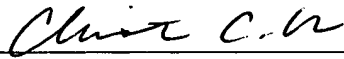
___ are enclosed herewith; or
X have been cited in the parent application, and are thus not being resubmitted herein.

Early examination and allowance of the present application are respectfully solicited.

FEE AUTHORIZATION

Should any fees associated with the submission be required, the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 04-1105. Any overpayments should be credited to said Deposit Account.

Respectfully submitted,



Christine C. O'Day (Reg. No. 38,256)
EDWARDS & ANGELL, LLP
P.O. Box 9169
Boston, MA 02209
(617) 439-4444

Date: November 25, 2003

FORM PTO-1449			DOCKET NO.: 49618-DIV (71965)		SERIAL NO.: Not Yet Assigned		
INFORMATION DISCLOSURE STATEMENT			APPLICANT(S): Yasuhisa FUKUI et al.				
			FILING DATE: Herewith [Express Mail Label No. EV343732774US]		GROUP NO.: Not Yet Assigned		
UNITED STATES PATENT DOCUMENTS							
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	AA	Fukami et al., <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 85:9057-9061 (1988)					
	AB	Matuoka et al., <i>Science</i> , 239:640-643 (1988)					
	AC	Boronenkov et al., <i>Mol. Biol., Cell</i> , 9:3547-3560 (1998)					
	AD	Coffer et al., <i>Biochem. J.</i> , 335:1-13 (1998)					
	AE	Galanos et al., <i>Eur. J. Biochem.</i> , 24:116-122 (1971)					
	AF	Miyazawa et al., <i>Mol. Immunol.</i> , 25:1025-1031 (1988)					
	AG	Rameh et al., <i>J. Biol. Chem.</i> , 274: 8347-8350 (1999)					
	AH	Sawada et al., <i>Chem. Pharm. Bull.</i> , 45:1521-1523 (1997)					
	AI	Shirai et al., <i>Tetrahedron Lett.</i> , 39: 9485-9488 (1998)					
	AJ	Shirai et al., <i>Tetrahedron Lett.</i> , 40: 1693-1696 (1999)					
	AK	Thum ety al., <i>Tetrahedron Lett.</i> , 37: 9017-9020 (1996)					
	AL	Umeda et al., <i>J. Immun.</i> , 137: 3264-3269 (1986)					
	AM	Umeda et al., <i>J. Immun.</i> , 136: 2562-2567 (1986)					
	AN	Yokogawa et al., <i>FEBS Lett.</i> , 473: 222-226 (2000)					
Examiner:					Date:		